Amendments to the Claims

1. (Currently amended) A method of transmitting contents information, comprising the steps of:

generating a first-key signal representative of a first key from first-key base information being a base of the first key;

encrypting contents information into encryption-resultant contents information in response to the first-key signal;

generating a second-key signal representative of a second key on the basis of initial-value information of a given initial value according to ~~a predetermined key generation algorithm~~ one selected from a plurality of predetermined key generation algorithms;

encrypting the first-key base information into encryption-resultant first-key base information in response to the second-key signal; and

transmitting the encryption-resultant contents information, the encryption-resultant first-key base information, the initial-value information, and algorithm identification information for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms.

2. (Currently amended) A method of recording contents information, comprising the steps of:

generating a first-key signal representative of a first key from first-key base information being a base of the first key;

encrypting contents information into encryption-resultant contents information in response to the first-key signal;

generating a second-key signal representative of a second key on the basis of initial-value information of a given initial value according to ~~a predetermined key generation algorithm~~ one selected from a plurality of predetermined key generation algorithms;

encrypting the first-key base information into encryption-resultant first-key base information in response to the second-key signal; and

recording the encryption-resultant contents information, the encryption-resultant first-key base information, the initial-value information, and algorithm identification information for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms.

3. (Currently amended) An apparatus for transmitting contents information, comprising:

means for generating a first-key signal representative of a first key from first-key base information being a base of the first key;

means for encrypting contents information into encryption-resultant contents information in response to the first-key signal;

means for generating a second-key signal representative of a second key on the basis of initial-value information of a given initial value according to ~~a predetermined key generation algorithm~~ one selected from a plurality of predetermined key generation algorithms;

means for encrypting the first-key base information into encryption-resultant first-key base information in response to the second-key signal; and

means for transmitting the encryption-resultant contents information, the encryption-resultant first-key base information, the initial-value information, and algorithm identification information for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms.

4. (Currently amended) An apparatus for recording contents information, comprising:

means for generating a first-key signal representative of a first key from first-key base information being a base of the first key;

means for encrypting contents information into encryption-resultant contents information in response to the first-key signal;

means for generating a second-key signal representative of a second key on the basis of initial-value information of a given initial value according to ~~a predetermined key generation algorithm~~ one selected from a plurality of predetermined key generation algorithms;

means for encrypting the first-key base information into encryption-resultant first-key base information in response to the second-key signal; and

means for recording the encryption-resultant contents information, the encryption-resultant first-key base information, the initial-value information, and algorithm identification information for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms.

5. (Currently amended) A transmission medium for transmitting encryption-resultant contents information, encryption-resultant first-key base information, initial-value information, and algorithm identification information, wherein the encryption-resultant contents information and the encryption-resultant first-key base information are generated by the steps of generating a first-key signal representative of a first key from first-key base information being a base of the first key; encrypting contents information into encryption-resultant contents information in response to the first-key signal; generating a second-key signal representative of a second key on the basis of initial-value information of a given initial value according to ~~a predetermined key generation algorithm~~ one selected from a plurality of predetermined key generation algorithms; and encrypting the first-key base information into encryption-resultant first-key base information in response to the second-key signal; and wherein the algorithm identification information is for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms.

6. (Currently amended) A recording medium loaded with encryption-resultant contents information, encryption-resultant first-key base information, initial-value information, and algorithm identification information, wherein the encryption-resultant contents information and the encryption-resultant first-key base information are generated by the steps of generating a first-key signal representative of a first key from first-key base information being a base of the first key; encrypting contents information into encryption-resultant contents information in response to the first-key signal; generating a second-key signal representative of a second key on the basis of initial-value information of a given initial

value according to ~~a predetermined key generation algorithm~~ one selected from a plurality of predetermined key generation algorithms; and encrypting the first-key base information into encryption-resultant first-key base information in response to the second-key signal; and wherein the algorithm identification information is for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms.

7. (Original) An apparatus as recited in claim 3, wherein the means for generating the second-key signal comprises a linear feedback shift register using a specified irreducible primitive polynomial.

8. (Currently amended) A method of transmitting contents information, comprising the steps of:

generating a first-key signal representative of a first key from first-key base information being a base of the first key;

encrypting contents information into encryption-resultant contents information in response to the first-key signal;

generating a second-key signal representative of a second key on the basis of initial-value information of a given initial value according to ~~a predetermined key generation algorithm~~ one selected from a plurality of predetermined key generation algorithms;

encrypting a part of the first-key base information in response to the second-key signal to convert the first-key base information into encryption-resultant first-key base information; and

transmitting the encryption-resultant contents information, the encryption-resultant first-key base information, the initial-value information, and algorithm identification information for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms.

9. (Currently amended) A method of recording contents information, comprising the steps of:

generating a first-key signal representative of a first key from first-key base information being a base of the first key;

encrypting contents information into encryption-resultant contents information in response to the first-key signal;

generating a second-key signal representative of a second key on the basis of initial-value information of a given initial value according to ~~a predetermined key generation algorithm~~ one selected from a plurality of predetermined key generation algorithms;

encrypting a part of the first-key base information in response to the second-key signal to convert the first-key base information into encryption-resultant first-key base information; and

recording the encryption-resultant contents information, the encryption-resultant first-key base information, the initial-value information, and algorithm identification information for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms.

10. (Currently amended) An apparatus for transmitting contents information, comprising:

means for generating a first-key signal representative of a first key from first-key base information being a base of the first key;

means for encrypting contents information into encryption-resultant contents information in response to the first-key signal;

means for generating a second-key signal representative of a second key on the basis of initial-value information of a given initial value according to ~~a predetermined key generation algorithm~~ one selected from a plurality of predetermined key generation algorithms;

means for encrypting a part of the first-key base information in response to the second-key signal to convert the first-key base information into encryption-resultant first-key base information; and

means for transmitting the encryption-resultant contents information, the encryption-resultant first-key base information, the initial-value information, and algorithm identification

information for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms.

11. (Currently amended) An apparatus for recording contents information, comprising:

means for generating a first-key signal representative of a first key from first-key base information being a base of the first key;

means for encrypting contents information into encryption-resultant contents information in response to the first-key signal;

means for generating a second-key signal representative of a second key on the basis of initial-value information of a given initial value according to ~~a predetermined key generation algorithm~~ one selected from a plurality of predetermined key generation algorithms;

means for encrypting a part of the first-key base information in response to the second-key signal to convert the first-key base information into encryption-resultant first-key base information; and

means for recording the encryption-resultant contents information, the encryption-resultant first-key base information, the initial-value information, and algorithm identification information for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms.

12. (Currently amended) A transmission medium for transmitting encryption-resultant contents information, encryption-resultant first-key base information, initial-value information, and algorithm identification information, wherein the encryption-resultant contents information and the encryption-resultant first-key base information are generated by the steps of generating a first-key signal representative of a first key from first-key base information being a base of the first key; encrypting contents information into encryption-resultant contents information in response to the first-key signal; generating a second-key signal representative of a second key on the basis of initial-value information of a given initial value according to ~~a predetermined key generation algorithm~~ one selected from a plurality of predetermined key generation algorithms; and encrypting a part of the first-key

base information in response to the second-key signal to convert the first-key base information into encryption-resultant first-key base information; and wherein the algorithm identification information ~~information~~ is for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms.

13. (Currently amended) A recording medium loaded with encryption-resultant contents information, encryption-resultant first-key base information, initial-value information, and algorithm identification information, wherein the encryption-resultant contents information and the encryption-resultant first-key base information are generated by the steps of generating a first-key signal representative of a first key from first-key base information being a base of the first key; encrypting contents information into encryption-resultant contents information in response to the first-key signal; generating a second-key signal representative of a second key on the basis of initial-value information of a given initial value according to ~~a predetermined key generation algorithm~~ one selected from a plurality of predetermined key generation algorithms; and encrypting a part of the first-key base information in response to the second-key signal to convert the first-key base information into encryption-resultant first-key base information; and wherein the algorithm identification information is for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms.

14. (Original) An apparatus as recited in claim 10, wherein the means for generating the second-key signal comprises a linear feedback shift register using a specified irreducible primitive polynomial.

15. (Currently amended) A method of decrypting encryption-resultant contents information generated by an encrypting side which implements the steps of generating a first-key signal representative of a first key from first-key base information being a base of the first key; encrypting contents information into encryption-resultant contents information in response to the first-key signal; generating a second-key signal representative of a second key on the basis of initial-value information of a given initial value according to ~~a~~

~~predetermined key generation algorithm~~ one selected from a plurality of predetermined key generation algorithms; and encrypting the first-key base information into encryption-resultant first-key base information in response to the second-key signal; the method comprising the steps of:

identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms in response to algorithm identification information for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms;

generating a second-key signal representative of a second key on the basis of the initial-value information and the identified key generation algorithm;

decrypting encryption-resultant first-key base information into original first-key base information in response to the second-key signal;

generating a first-key signal representative of a first key from the original first-key base information; and

decrypting encryption-resultant contents information into original contents information in response to the first-key signal.

16. (Currently amended) An apparatus for decrypting encryption-resultant contents information generated by an encrypting side which implements the steps of generating a first-key signal representative of a first key from first-key base information being a base of the first key; encrypting contents information into encryption-resultant contents information in response to the first-key signal; generating a second-key signal representative of a second key on the basis of initial-value information of a given initial value according to ~~a predetermined key generation algorithm~~ one selected from a plurality of predetermined key generation algorithms; and encrypting the first-key base information into encryption-resultant first-key base information in response to the second-key signal; the apparatus comprising:

means for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms in response to algorithm

identification information for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms;

means for generating a second-key signal representative of a second key on the basis of the initial-value information and the identified key generation algorithm;

means for decrypting encryption-resultant first-key base information into original first-key base information in response to the second-key signal;

means for generating a first-key signal representative of a first key from the original first-key base information; and

means for decrypting encryption-resultant contents information into original contents information in response to the first-key signal.

17. (Original) An apparatus as recited in claim 16, wherein the identifying means comprises means for selecting one from among a plurality of key generation algorithms in response to the algorithm identification information as the identified key generation algorithm.

18. (Original) An apparatus as recited in claim 17, wherein the means for generating the second-key signal comprises a linear feedback shift register having a feedback object position which is set in accordance with a primitive polynomial in the identified key generation algorithm.

19. (Currently amended) A method of decrypting encryption-resultant contents information generated by an encrypting side which implements the steps of generating a first-key signal representative of a first key from first-key base information being a base of the first key; encrypting contents information into encryption-resultant contents information in response to the first-key signal; generating a second-key signal representative of a second key on the basis of initial-value information of a given initial value according to ~~a predetermined key generation algorithm~~ one selected from a plurality of predetermined key generation algorithms; and encrypting a part of the first-key base information in response

to the second-key signal to convert the first-key base information into encryption-resultant first-key base information; the method comprising the steps of:

identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms in response to algorithm identification information for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms;

generating a second-key signal representative of a second key on the basis of the initial-value information and the identified key generation algorithm;

decrypting encryption-resultant, first-key base information into original first-key base information in response to the second-key signal;

generating a first-key signal representative of a first key from the original first-key base information; and

decrypting encryption-resultant contents information into original contents information in response to the first-key signal.

20. (Currently amended) An apparatus for decrypting encryption-resultant contents information generated by an encrypting side which implements the steps of generating a first-key signal representative of a first key from first-key base information being a base of the first key; encrypting contents information into encryption-resultant contents information in response to the first-key signal; generating a second-key signal representative of a second key on the basis of initial-value information of a given initial value according to ~~a~~ ~~predetermined key generation algorithm~~ one selected from a plurality of predetermined key generation algorithms; and encrypting a part of the first-key base information in response to the second-key signal to convert the first-key base information into encryption-resultant first-key base information; the apparatus comprising:

means for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms in response to algorithm identification information for identifying the ~~predetermined key generation algorithm~~ one selected from the plurality of predetermined key generation algorithms;

means for generating a second-key signal representative of a second key on the basis of the initial value information and the identified key generation algorithm;

means for decrypting encryption-resultant first-key base information into original first-key base information in response to the second-key signal;

means for generating a first-key signal representative of a first key from the original first-key base information; and

means for decrypting encryption-resultant contents information into original contents information in response to the first-key signal.

21. (Original) An apparatus as recited in claim 20, wherein the identifying means comprises means for selecting one from among a plurality of key generation algorithms in response to the algorithm identification information as the identified key generation algorithm.

22. (Original) An apparatus as recited in claim 21, wherein the means for generating the second-key signal comprises a linear feedback shift register having a feedback object position which is set in accordance with a primitive polynomial in the identified key generation algorithm.